BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Work Slip: As per Std Tender Documents

Name of Work: Asphalting to roads at Chowdappa layout , Maruthi Layout, Hillside Medows and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division

Estimate Amount:- 2,00,00,000/-
Name of Contractor:- M/s KRIDL
Approved amount:- 16896024/-
Tender premium:- --

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	624.80	211.79	132326.39	758.11	758.11	211.79	160560.12	0.00	211.79	0.00	160560.12	28233.73	0.00	
2	KSRRB M2900-1 Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification	Cum	93.72	4479.56	419824.36	113.72	113.72	4479.56	509399.88	0.00	4479.56	0.00	509399.88	89575.52	0.00	
3	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications.	Cum	195.96	7070.20	1385476.39	233.83	233.83	7070.20	1653222.74	0.00	7070.20	0.00	1653222.74	267746.35	0.00	
4	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Ton	11.07	72326.98	800659.67	13.36	13.36	72326.98	966288.45	0.00	72326.98	0.00	966288.45	165628.78	0.00	

Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount	Savings amount	Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)	Sqm	506.70	2337.00	1184157.90	585.00	585.00	2337.00	1367145.00	0.00	2337.00	0.00	1367145.00	182987.10	0.00	
6 Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.	Nos	1262.00	477.00	601974.00	1499.00	1499.00	477.00	715023.00	0.00	477.00	0.00	715023.00	113049.00	0.00	
7 KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	227.20	84.80	19266.56	269.32	269.32	84.80	22838.34	0.00	84.80	0.00	22838.34	3571.78	0.00	
8 KSRRB M300-14. Excavation for Road Way in Hard rock by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	2288.40	43.46	99453.86	2906.81	2860.50	43.46	124317.33	46.31	43.46	2012.46	126329.79	26875.93	0.00	
11 Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	615.30	1855.00	1141381.50	944.71	769.13	1855.00	1426726.88	175.59	1855.00	325713.79	1752440.67	611059.17	0.00	
13 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	5250.00	33.92	178080.00	7267.02	6562.50	33.92	222600.00	704.52	33.92	23897.15	246497.15	68417.15	0.00	
14 KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	262.50	7428.48	1949976.00	363.35	328.13	7428.48	2437470.00	35.23	7428.48	261673.78	2699143.78	749167.78	0.00	

Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount		Savings amount
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount			
2	3	4	5	6	10	11	12	13	14	15	16	17	18	19
KSRRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.	Sqm	2115.00	5.30	11209.50	7267.02	7267.02	5.30	38515.18	0.00	5.30	0.00	38515.18	27305.68	0.00
Grand total								9644106.92			613297.18	10257404.10	2333617.96	0.00

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	16896024.00
Excess Amount =	2333617.96
Savings Amount =	2532289.68

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	13.81 %

Contractor

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore - 64

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Comparitive Statement

Name of Work: Asphalting to roads at Chowdappa layout , Maruthi Layout, Hillside Medows and surrounding areas in ward no -03 Yelahanka Satellite Town sub Division

Estimate Amount:- 2,00,00,000/-

Name of Contractor:- M/s KRIDL

Approved amount:- 16896024/-

Tender premium:- ---

Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	624.80	211.79	132326.39	758.11	758.11	211.79	160560.12	0.00	211.79	0.00	758.11	160560.12	28233.73	0.00	
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification	Cum	93.72	4479.56	419824.36	113.72	113.72	4479.56	509399.88	0.00	4479.56	0.00	113.72	509399.88	89575.52	0.00	
3	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.	Cum	195.96	7070.20	1385476.39	233.83	233.83	7070.20	1653222.74	0.00	7070.20	0.00	233.83	1653222.74	267746.35	0.00	
4	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including stralghtening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Ton	11.07	72326.98	800659.67	13.36	13.36	72326.98	966288.45	0.00	72326.98	0.00	13.36	966288.45	165628.78	0.00	
5	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)	Sqm	506.70	2337.00	1184157.90	585.00	585.00	2337.00	1367145.00	0.00	2337.00	0.00	585.00	1367145.00	182987.10	0.00	
6	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.	Nos	1262.00	477.00	601974.00	1499.00	1499.00	477.00	715023.00	0.00	477.00	0.00	1499.00	715023.00	113049.00	0.00	
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	227.20	84.80	19266.56	269.32	269.32	84.80	22838.34	0.00	84.80	0.00	269.32	22838.34	3571.78	0.00	
8	KSRRB M300-14. Excavation for Road Way in Hard rock by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	2288.40	43.46	99453.86	2906.81	2860.50	43.46	124317.63	46.31	43.46	2012.46	2906.81	126329.79	26875.93	0.00	
9	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface ressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.	Sqm	3935.00	41.34	162672.90	0.00	0.00	41.34	0.00	0.00	41.34	0.00	0.00	0.00	0.00	162672.90	
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	7331.00	6.36	46625.16	7267.02	7267.02	6.36	46218.22	0.00	6.36	0.00	7267.02	46218.22	0.00	406.94	

Description of Work	Unit	Qty as per Schedule B			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on preapred surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	615.30	1855.00	1141381.50	944.71	769.13	1855.00	1426726.88	175.58	1855.00	325713.79	944.71	1752440.67	611059.17	0.00	
12 KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	2296.03	2001.28	4594998.92	1816.75	1816.75	2001.28	3635832.94	0.00	2001.28	0.00	1816.75	3635832.94	0.00	959165.98	
13 KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	5250.00	33.92	178080.00	7267.02	6562.50	33.92	222600.00	704.52	33.92	23897.15	7267.02	246497.15	68417.15	0.00	
14 KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	262.50	7428.48	1949976.00	363.35	328.13	7428.48	2437470.00	35.23	7428.48	261673.78	363.35	2699143.78	749167.78	0.00	
15 KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.	Sqm	2115.00	5.30	11209.50	7267.02	7267.02	5.30	38515.18	0.00	5.30	0.00	7267.02	38515.18	27305.68	0.00	
16 KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	Sqm	10904.00	12.72	138698.88	7267.02	7267.02	12.72	92436.43	0.00	12.72	0.00	7267.02	92436.43	0.00	46262.45	
17 Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	435.68	8831.92	3847890.91	290.68	290.68	8831.92	2567267.80	0.00	8831.92	0.00	290.68	2567267.80	0.00	1280623.11	
18 KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	398.80	454.74	181350.31	215.93	215.93	454.74	98192.01	0.00	454.74	0.00	215.93	98192.01	0.00	83158.30	
				16896024.00				16084054.32			613297.18		16697351.50	2333617.96	2532289.68	
EIRL																
E1 providing and laying precast drain slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finishing surface on both sides etc., completed as per drawing and direction of engineer in	Sqm								12.84	5418.00	69567.12	12.84	69567.12	69567.12		

Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
		Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
KSRRB M800-35. Supply and Installition of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos								355.00	357.22	126813.10	355.00	126813.10	126813.10		
													16893731.72	2529998.18	2532289.68	
													2292.28	2292.28		
Sub Total													16896024.00	2532290.46	2532289.68	
Miscellaneous & Rounding off				16896024.00												
Total																

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore - 64